MECHANICAL SPECIFICATION

Enclosure Construction Material

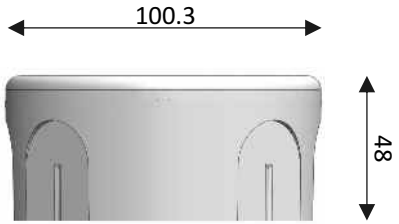
White ABS
Flame Retardant rating 94V0

Weight

module - 19 g
boxed - 110 g
Including packaging - 142 g







All dimensions in mm

TECHNICAL SPECIFICATIONS	
SUPPLY VOLTAGE	Loop Powered - 17V to 30V DC
LOOP CURRENT - QUIESCENT	0.6 mA
LOOP CURRENT - FAULT & ALARM	1.9 OC/SC FLT - 1.7mA O/P ON
EXT. SUPPLY CURRENT @ 24V DC	1.2 mA Quiescent / 1 Amp max. for sounders
MAX. CABLE SIZE	2.5 mm^2
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10°C to 50°C
DIMENSIONS	100.3 (D) x 48 (H) mm
WEIGHT	142 g inc. packaging
ORDER CODE	**DESCRIPTION**
LSC-ISO	Loop Sounder Control Module

GLOBAL FIRE EQUIPMENT S.A.
Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z, 8150-016 São Brás de Alportel - PORTUGAL
Tel: +351 289 896 560 • **Sales:** sales@globalfire.pt • **Technical Support:** techs@globalfire.pt • **www.**globalfire.pt

LSC-ISO

Loop Sounder Control Module (with 1Amp monitored output)

The LSC-ISO Module is a fully monitored interface which is used to connect a line of conventional sounders to the Global Fire Addressable control panel via the detection loop.

The module requires an external 24V DC power supply and can supply up to 1A at the sounder output which is monitored for both open and short circuit faults. A 10K ohm end of line resistor is connected to the last sounder to provide line monitoring.

The LSC-ISO uses the Global Fire proprietary sounder control protocol and therefore is only compatible with the GFE range of control panels.

The output can be programmed as pulsed or continuous. A maximum of 32 LSC-ISO can be connected to each Loop using address numbers 94 -125 inclusive.

The unit is supplied complete with housing. Address setting is via switches 1 to 5 of the 8 - way D.I.L. switch where all OFF represents address 94.

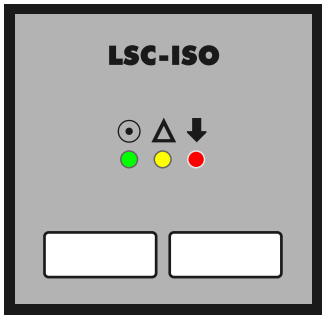


FEATURES
Fast Activation Response
Three Status LEDs
Low Power Consumption
Plastic Enclosure

Instruction Manual V2 - 02/2015

CE Made in Portugal-EU

REPORTING DETAILS



In order to indicate the status of the module's working condition, three LEDs are provided:

STATUS: This LED will flash Green, every time the address associated with the module is polled by the addressable panel.

FAULT: This Yellow LED will be illuminated continuously whenever there is a FAULT condition present at the sounder terminals (open or short circuit) or faulty external supply (low value or removal) .

OUTPUT: The Red LED provided will be lit when onboard conventional sounder circuit is active.

D.I.L. SWITCHES CONFIGURATION

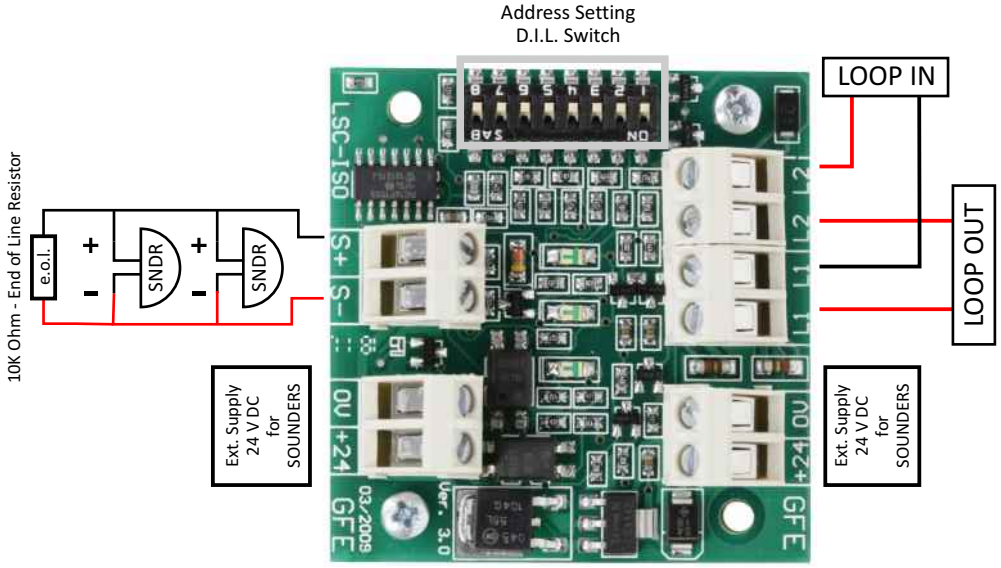


Switches 1-5
used to configure the module's address.
Switch 6
Not used

Address Switches binary weights

1 on = 1
2 on = 2
3 on = 4
4 on = 8
5 on = 16

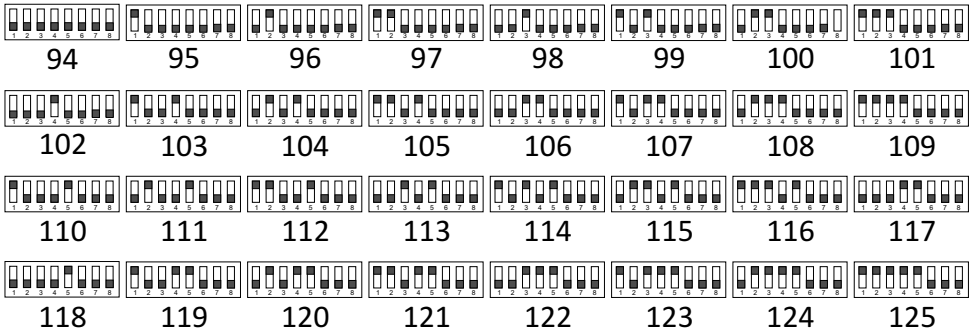
CONNECTIONS



NOTE: Maximum 1 Amp current drive for conventional sounders per module.

Only use polarized 24V DC sounders

ADDRESS SETTINGS



NOTE: LSC-ISO address will be offset by a value of 94 with respect to the value programmed on the D.I.L. switch.